

Ser. No. 10/719,260

RECEIVED
CENTRAL FAX CENTER

PD020110

JUN 08 2006

LISTING OF THE CLAIMS

1. (cancelled)
2. (currently amended) Method according to claim +13, wherein said group label is newly determined and assigned dynamically to all nodes belonging to said group of nodes whenever one or more nodes are added to or removed from said group of nodes.
3. (currently amended) Method according to claim +13, wherein the nodes are under control of the same user.
4. (currently amended) Method according to claim +13, wherein two different groups of nodes may be merged into one group, the merging process comprising modification of the affected nodes' group label such that a common group label is assigned to the affected nodes.
5. (currently amended) Method according to claim +13, wherein a group of nodes may be split into two or more groups of nodes, the splitting process comprising modification of the affected nodes' group label.
6. (original) Method according to claim 5, wherein the modification of group labels results in automatically assigning a common group label to the nodes of one resulting group of nodes, and either automatically assigning another common group label to the nodes of the other resulting group of nodes, or leaving the common group label of said nodes of said other resulting group of nodes unchanged.
7. (currently amended) Method according to claim +13, wherein communication and cooperation between nodes belonging to different groups of nodes is allowed, if the following conditions are fulfilled, namely
 - the first condition being that a requesting node belongs to a first group of nodes, the group of nodes being connected to at least one other, second group of nodes,

Ser. No. 10/719,260

PD020110

the second condition being that said second group of nodes can detect unambiguously that the request was launched from said first group of nodes, and

the third condition being that for the second group of nodes it is explicitly allowed to communicate and cooperate with the first group of nodes, and
~~the fourth condition being that the content or service requested by said first group of nodes is available within said second group of nodes, and released by said second group of nodes, the release referring explicitly to said first group of nodes, or the release referring to a number of groups of nodes including said first group of nodes.~~

8. (original) Method according to claim 7 wherein the third condition is further specified such that if a first group of nodes is allowed to cooperate with a second group of nodes, then said second group of nodes is also allowed to cooperate with said first group of nodes.

9. (original) Method according to claim 7, wherein the third condition is further specified such that if a first group of nodes is allowed to cooperate with a second group of nodes, and the second group of nodes is allowed to cooperate with a third group of nodes, then this constellation leads to that said first group of nodes is allowed to cooperate with said third group of nodes, either with or without interaction of said second group of nodes.

10. (currently amended) Method according to claim ~~1~~13, wherein said group label is detached automatically from any node when being disconnected from said group of nodes.

11. (currently amended) Method according to claim ~~1~~13, wherein a connection between two nodes has a status, the status defining whether both connected nodes belong to the same group of nodes or not.

12. (original) An apparatus for creating and maintaining a unique electronic group label, the apparatus being associated with a technical device being a first node in a network, and the group label indicating membership in a group of technical devices being nodes in the network, the nodes being capable of providing services or resources to other nodes of the network and using services or resources provided by other nodes of the network, wherein

Ser. No. 10/719,260

PD020110

the group label is used for identifying the group and individual nodes are identified by other unique labels, comprising

means for detecting if a second node connected to said first node has a group label associated;

means for automatically creating a group label when being connected to the second node, if neither of said two nodes has already a group label associated;

means for associating the automatically created group label to the first node if neither of said two nodes has already a group label associated, wherein nodes can have only one group label associated at a time;

means for detecting if the second nodes group label is the same as the first nodes group label, if the second node has already a group label associated when connecting; and

means for enabling communication between the two nodes if their group labels are identical.

13. (new) A method for creating and maintaining a unique electronic group label for a first node in a network, the group label indicating membership in a group of technical devices being nodes in the network, the nodes being capable of providing services or resources to other nodes of the network and using services or resources provided by other nodes of the network, wherein the group label is used for identifying the group and individual nodes are identified by other unique labels, the method comprising the steps of:

detecting if a second node connected to said first node has a group label associated;

automatically creating a group label when said first node is connected to the second node, if neither of said two nodes has already a group label associated;

associating the automatically created group label to the first node if neither of said two nodes has already a group label associated, wherein nodes can have only one group label associated at a time;

detecting if the second nodes group label is the same as the first nodes group label, if the second node has already a group label associated when connecting; and enabling communication between the two nodes if their group labels are identical.

14. (new) Method according to claim 7, wherein an additional fourth condition is required, the fourth condition being that the content or service requested by said first group of nodes

Ser. No. 10/719,260

PD020110

is available within said second group of nodes, and released by said second group of nodes, the release referring explicitly to said first group of nodes, or the release referring to a number of groups of nodes including said first group of nodes.